PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To: ROD D. BAKER PEACOCK, MYERS & ADAMS, PC POST OFFICE BOX 26927 ALBUQUERQUE, NM 87125-6927 PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

W SEP 2003

Applicant's or agent's file reference

International application No.

41543-01036

International filing date (day/month/year)

Priority date (day/month/year)

IMPORTANT NOTIFICATION

PCT/US02/33499

18 October 2002 (18.10.2002)

18 October 2001 (18.10.2001)

Applicant

LOVELACE RESPIRATORY RESEARCH INSTITUTE

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US

Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450

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Form PCT/IPEA/416 (July 1992)

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)						
PCT/US02/33499	18 October 2002 (18.10.2002)	18 October 2001 (18.10.2001)						
International Patent Classification (IPC) or national classification and IPC IPC(7): C12Q 1/00; C12P 19/26, 19/28, 19/38, 19/30, 19/34; G01N 33/48; C07H 1/00, 5/04, 5/06, 19/00, 21/00 and US C1.: 435/4, 84, 85, 87, 89, 91.1, 91.2; 436/63, 64; 536/1, 1.11, 18.7, 22.1, 23.1 Applicant								
LOVELACE RESPIRATORY RESEAR	LOVELACE RESPIRATORY RESEARCH INSTITUTE							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of sheets, including this cover sheet. 								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indica	3. This report contains indications relating to the following items:							
I Basis of the report II Priority								
III Non-establishment of report with regard to novelty, inventive step and industrial applicability IV Lack of unity of invention								
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain documents cited								
VII Certain defects in the international application								
VIII Certain observations on the international application								
Date of submission of the demand	Date	of completion of this report						
09 May 2003 (09.05.2003)		02 September 2003 (02.09.2003)						
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 Form PCT/IPEA/409 (cover sheet)(July 1998)		Authorized e river Alaria M. Harris, Ph.D. Telephone No. (703)308-0196						

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US02/33499

I.	Basi	s of the report					
1.	With	regard to the elements of the international application:*					
	\boxtimes	the international application as originally filed.					
	\boxtimes	the description:					
		pages 1-18 as originally filed					
		pages NONE, filed with the demand					
		pages NONE , filed with the letter of					
	\boxtimes	the claims:					
		pages 19-22 , as originally filed					
		pages NONE , as amended (together with any statement) under Article 19					
		pages NONE , filed with the demand pages NONE , filed with the letter of					
		the drawings:					
		pages 1-5 , as originally filed pages NONE , filed with the demand					
		pages NONE, filed with the letter of					
	\square	the sequence listing part of the description:					
		pages 1-3 , as originally filed					
		pages NONE, filed with the demand					
		pages NONE , filed with the letter of					
2.		regard to the language, all the elements marked above were available or furnished to this Authority in the					
	_	uage in which the international application was filed, unless otherwise indicated under this item.					
	Thes	e elements were available or furnished to this Authority in the following language which is:					
	\square	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).					
		the language of publication of the international application (under Rule 48.3(b)).					
	\sqcup	the language of the translation furnished for the purposes of international preliminary examination(under Rules					
		55.2 and/or 55.3).					
3.		regard to any nucleotide and/or amino acid sequence disclosed in the international application, the					
	inter	national preliminary examination was carried out on the basis of the sequence listing:					
	Щ	contained in the international application in printed form.					
	凶	filed together with the international application in computer readable form.					
	Ц	furnished subsequently to this Authority in written form.					
		furnished subsequently to this Authority in computer readable form.					
	\sqcup	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the					
		international application as filed has been furnished.					
		The statement that the information recorded in computer readable form is identical to the written sequence listing					
		has been furnished.					
4.		The amendments have resulted in the cancellation of:					
		the description, pages NONE					
		the description, pages NONE					
		the claims, Nos. NONE					
		the drawings, sheets/fig NONE					
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go					
_		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**					
 Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report. 							
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US02/33499

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT					
Novelty (N)	Claims	1-9	YES		
	Claims		NO		
Inventive Step (IS)	Claima	1.0	VEC		
inventive Step (15)	Claims Claims		YES NO		
Industrial Applicability (IA)	Claims		YES		
	Claims	NONE	NO		
			f		
form PCT/IPEA/409 (Box V) (July 1998)					